

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	9002	382/312,274,167,314,315,317,318,321;348/219.1,275,222.1;358/497,251,246.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/09/02 09:41
L2	164	L1 and pixel\$2 near7 color near5 read\$3 same image	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/09/02 09:41
L3	3	L2 and piezoelectric with ( mov\$3 or replac\$5) near5 (sensor\$2 or sens\$4 near3 element\$2 or CCD)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/09/02 09:41
L4	2944	pixel\$2 with color near7 read\$3 same ( image or pictur\$2 or photo\$6)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/09/02 09:44
L5	59	L4 and (sensor\$2 or "CCD" or sens\$4 near3 element\$2 or photosensitive or light near3 sens\$4) near3( defective or faulty or bad)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/09/02 09:44
L6	0	5 and color adj1 value near3 pixel adj1 position with (color adj1 reading or CCD or sensor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/09/02 09:48

## EAST Search History

L7	0	(determining and sensing and element and series and sensing and defective and color and redirecting and light and align and non-defective sensing element of the series of sensing elements with the one collecting location, wherein the non-defective and sensing and element and associated and color and associating and "one" and collecting and location and "a pixel" and position and image and portrayed and determining and color and value and "the pixel position" and image and multiple and color and data and readings).clm.	US-PGPUB	AND	OFF	2008/09/02 09:52
S1	0	(sensor\$2 or "CCD") near3 pixel\$2 with color near3 valu\$2 same color near3 data adj2 reading same expos\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/13 19:56
S2	173	(sensor\$2 or "CCD") with color near3 valu\$2 same expos\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/13 20:25
S3	37	S2 and color near3 valu\$2 near5 pixel\$2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/13 20:00
S4	0	S3 and(sensor\$2 or "CCD") near3 defective	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/13 19:56
S5	5193	(sensor\$2 or "CCD") near3 (defective or faulty)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/13 19:59

## EAST Search History

S6	197	S5 and expos\$4 near3 ( image or pictur42)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/13 20:00
S7	67	S6 and color near3 valu\$2 near5 pixel\$2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/13 20:03
S8	0	S7 and piexoelectric adj1 crystals	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/13 20:04
S9	29	S7 and piezoelectric adj1 crystals	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/13 21:38
S10	0	S9 and moving near3 arry	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/13 20:05
S11	4	S9 and moving near3 array	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/13 20:05
S12	4	S9 and moving near3 array	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/13 20:05

## EAST Search History

S13	253	(sensor\$2 or "OCD" or sens\$3 near3 element\$2 or photosensitive) with color near3 valu\$2 same expos\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/14 11:22
S14	0	S13 and(sensor\$2 or "OCD" or sens\$3 near3 element\$2 or photosensitive) near7 (defective or faulty) with color near3 valu\$2 same expos\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/13 20:31
S15	1	S13 and(sensor\$2 or "OCD" or sens\$3 near3 element\$2 or photosensitive) near7 (defective or faulty)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/13 21:17
S16	8485	(sensor\$2 or "OCD" or sens\$3 near3 element\$2 or photosensitive) near7 (defective or faulty)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/13 21:17
S17	11	S16 and pixel\$2 with color near3 valu\$2 same expos\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/13 21:20
S18	39	S16 and piezoelectric adj1 crystals	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/14 12:54
S19	1	S18 and pixel\$2 with color near3 valu\$2 same expos\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/14 06:13

## EAST Search History

S20	31	S18 and pixel\$2 with color near3 valu\$2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/13 21:20
S21	31	S20 and expos\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/14 06:14
S22	31	S21 and (red near3 blue or RGB)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/13 21:35
S23	202	S16 and pixel\$2 with color near3 valu\$2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/13 21:33
S24	143	S23 and expos\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/14 11:29
S25	133	S24 and (red near3 blue or RGB or cyan near4 magenta)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/13 21:53
S26	31	S25 and piezoelectric	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/15 11:59

## EAST Search History

S27	0	S25 and pixl near3 color near3 read\$3 with image	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/13 21:43
S28	28	S25 and pixel\$2 near3 color near3 read\$3 with ( image or pictur\$2 or photo)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/14 06:14
S29	28	S25 and pixel\$2 near3 color near3 read\$3 with ( image or pictur\$2 or photo)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/13 21:52
S30	5527	S16 and (defect\$3 or fault\$2) near3 (sensitivity or sensor\$2 or photosensi\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/13 21:51
S31	6	S30 and pixel\$2 near3 color near3 read\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/13 21:52
S32	310	S30 and (red near3 blue or RGB or cyan near4 magenta)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/13 21:53
S33	228	S32 and expos\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/14 05:55

## EAST Search History

S34	1	S33 and stair adj1 steps	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/13 21:56
S35	1	S33 and solid-state near3 motor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/13 21:57
S36	1	S33 and electric near3 motor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/13 21:57
S37	14	S33 and piezoelectric	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/13 21:58
S38	14	S33 and piezoelectric	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/13 21:58
S39	55897	"33" and piezoelectric	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/14 05:56
S40	8485	(sensor\$2 or "CCD" or sens\$3 near3 element\$2 or photosensitive) near7 (defective or faulty)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/15 13:29

## EAST Search History

S41	5527	S40 and (defect\$3 or fault\$2) near3 (sensitivity or sensor\$2 or photosensi\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/14 05:55
S42	310	S41 and (red near3 blue or RGB or cyan near4 magenta)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/14 05:55
S43	228	S42 and expos\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/14 05:56
S44	14	S43 and piezoelectric	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/14 11:34
S45	64	S43 and pixel\$2 with color near3 valu\$2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/14 06:13
S46	64	S45 and expos\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/14 06:14
S47	1	S46 and pixel\$2 near3 color near3 read\$3 with ( image or pictur\$2 or photo)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/14 11:28



## EAST Search History

S48	5	S46 and pixel\$2 near3 color near3 read\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/14 06:15
S49	6478	(sensor\$2 or "OCD" or sens\$4 near3 element\$2 or photosensitive or light near3 sens\$4) near3( defective or faulty or bad)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/14 14:19
S50	259	S49 and (motor or machnical near3 device )with move	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/14 12:53
S51	358	S49 and (motor or machnical near3 device )with (move or moving)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/14 11:27
S52	28	S51 and pixel\$2 near3 color near3 read\$3 with ( image or pictur\$2 or photo\$6)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/14 14:17
S53	28	S52 and expos\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/14 14:19
S54	28	S52 and piezoelectric	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/14 11:35

## EAST Search History

S55	279	(position\$3 or align\$4) near3(sensor\$2 or "CCD" or sens\$4 near3 element\$2 or photosensitive or light near3 sens\$4 or non-defective near3 sensors) with( defective or faulty or bad)near3 (sensor\$2 or CCD or sens\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/14 12:52
S56	31	S55 and (motor or mechanical near3 device )with (move or moving)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/14 14:09
S57	1	S56 and piezoelectric adj1 crystals	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/14 12:54
S58	1	S56 and piezoelectric	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/14 14:10
S59	21	S55 and pixel\$2 with color same (image or picture or photo)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/15 11:58
S60	3083	pixel\$2 near7 color near5 read\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/15 13:27
S61	286	S60 and (motor or mechanical near3 device )with (move or moving)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/14 14:19

## EAST Search History

S62	94	S61 and piezoelectric	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/14 14:10
S63	0	S62 and ( compensa\$4 or replac\$5) near7(sensor\$2 or "CCD" or sens\$4 near3 element\$2 or photosensitive or light near3 sens\$4) near3( defective or faulty or bad)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/14 14:12
S64	28	S62 and (sensor\$2 or "CCD" or sens\$4 near3 element\$2 or photosensitive or light near3 sens\$4) near3( defective or faulty or bad)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/14 14:12
S65	2748	pixel\$2 with color near7 read\$3 same ( image or pictur\$2 or photo\$6)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/14 14:18
S66	56	S65 and (sensor\$2 or "CCD" or sens\$4 near3 element\$2 or photosensitive or light near3 sens\$4) near3( defective or faulty or bad)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/14 14:19
S67	30	S66 and (motor or mechanical near3 device )with (move or moving)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/14 14:19
S68	29	S67 and expos\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/14 14:20

## EAST Search History

S69	279	(position\$3 or align\$4) near3(sensor\$2 or "CCD" or sens\$4 near3 element\$2 or photosensitive or light near3 sens\$4 or non-defective near3 sensors) with( defective or faulty or bad)near3 (sensor\$2 or CCD or sens\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/15 11:58
S70	21	S69 and pixel\$2 with color same (image or picture or photo)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/15 11:58
S71	2	S70 and piezoelectric	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/15 14:08
S72	1941	pixel\$2 near7 color near5 read\$3 same image	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/15 14:11
S73	105	S72 and piezoelectric	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/15 13:35
S74	86	S73 and logic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/15 13:28
S75	28	S74 and(sensor\$2 or "CCD" or sens\$3 near3 element\$2 or photosensitive) near3 (defective or faulty)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/15 13:30

## EAST Search History

S76	3	S72 and piezoelectric with ( mov\$3 or replac\$5) near5 (sensor\$2 or sens\$4 near3 element\$2 or CCD)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/15 14:11
S77	8267	382/312,274,167,314,315,317,318, 321;348/219.1,275,222.1;358/497,251, 246.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/15 14:11
S78	146	S77 and pixel\$2 near7 color near5 read\$3 same image	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/15 14:11
S79	3	S78 and piezoelectric with ( mov\$3 or replac\$5) near5 (sensor\$2 or sens\$4 near3 element\$2 or CCD)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/15 14:12